

# Linked list ~~Tracing~~ Tracing

a)

Values		fn call	Parameters	list
in1	in2			
1	5	in → new	llrec(5, 2)	return in1 (1)
5	2	"	llrec(2, 6)	1 → 5 → 2 → 6 → 3
2	6	"	llrec(6, 3)	5 → 2 → 6 → 3
6	3	"	llrec(3, Null)	2 → 6 → 3
3	Null	return in1;	return in1;	6 → 3

1 → 5 → 2 → 6 → 3 → 4

cleared from list 3 still links to 4 from original in1

b/c we never over rode in1 → next when in1 was prev 3, it has

a b.c and returned values.

b) similar idea so top yields

2 → 3 → 4

from orig. still attached from original in1 = 1, 2, 3, 4, 5

in fact,

1 → 2 → 3 → 4 is still in fact, but it looks more like

1 → 2 → 3 → 4  
↑  
llrec

as we didn't detach anything before or after.